

High Performance Rope Single Braid Splice

Tools Needed:

- Properly sized fid for rope being spliced
- Marker
- Scissors
- Electrical Tape
- Whipping Twine
- Needle

Step 1 - From the end of the rope measure one full fid length and a short fid length and mark a left and right strand pair. This is mark 1.



From the open end to the double hash marks is a short fid.



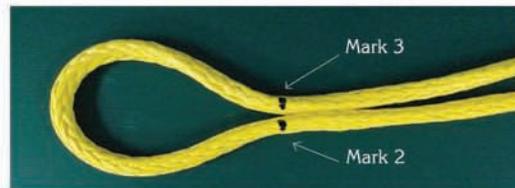
Step 2 - Measure from mark 1 the number of fid lengths for the type of rope you are splicing and make mark 2.

V1: Aracom 100 - 1 full fid

V2: Ultrex & Maxibraid - 2 full fids

V3: Vectrus - 3 full fids

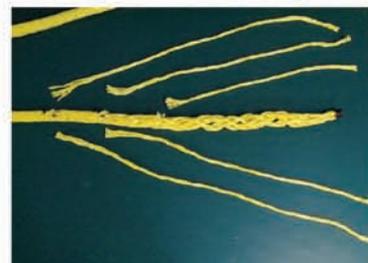
Form the eye size desired and make mark 3.

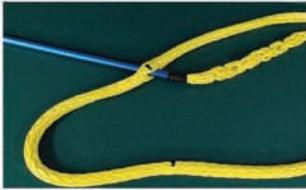


Step 3 - Go back to mark 1 and count 4 strand pairs towards the end and mark the pair. Count 4 strand pairs and mark the pair. Count 5 strand pairs and mark the pair. Continue with the 4-4-5 pattern until you reach the end of the rope.



Cut and pull out the first two strand pairs and one strand from the third pair to form the tapered end.





Step 4 - Tape the fid to the tapered end tightly and insert through the rope at mark 3. Make sure you go through the center of the rope splitting the ends evenly, be careful not to split a twisted yarn bundle in the process.



Step 5 - Pull the taped end through until mark 2 and mark 3 meet to form the eye. Count down 3 strands and insert the fid through the rope. (Make sure you split the ends evenly on both sides again and there is no twist in the eye or splice area)

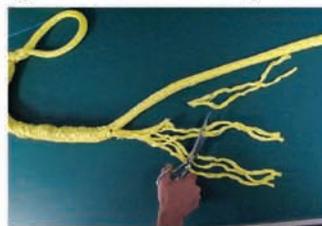
Step 6 - Stretch out the tail with the fid still on and make mark 4 on the body of the rope. This is the exit point of the tail.



Step 7 - Come back towards the eye and count 3 strands down and insert the fid down the center of the rope and milk the fid and tail all the way to mark 4 and exit. Make sure not to catch any of the strands.



Step 8 - Pull the tail out to the first taper cut and take the fid off. Finish cutting the marked left and right strand pairs to form the taper.



Step 9 - Start at the crotch of the eye and smooth out the splice in the direction of the body of the rope. Make sure marks 2 and 3 still meet.



Step 10 - Finish the splice with a whiplock.

